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File: JPAB

Mar 26, 1987

UB-NO: JP362067001A
DOCUMENT-IDENTIFIER: JP 62067001 A
TITLE: PRESERVATION OF TRANSPLANTED ORGAN

UBN-DATE: March 26, 1987

INVENTOR-INFORMATION:

NAME

COUNTRY

UCHIDA, HISANORI

MAZAKI, YOSHIHIKO

MIYAKE, SHOICHI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

UCHIDA HISANORI

MAZAKI YOSHIHIKO

GREEN CROSS CORP:THE

APPL-NO: JP60206079

APPL-DATE: September 17, 1985

INT-CL (IPC): A01N 1/02

ABSTRACT:

PURPOSE: To improve the preservation quality of a transplanted organ, particularly the kidney for a long period, by using a plasminogen activator, e.g. urokinase, and preferably further mannitol incorporated in Collins' solution.

CONSTITUTION: A transplanted organ, particularly the kidney is preserved by using 1000~10000 U/ml plasminogen activator, e.g. urokinase, and preferably further 1~5wt./vol.% mannitol incorporated in Collins' solution (containing glucose, KH₂PO₄, K₂HPO₄, KCl, NaHCO₃, MgSO₄·7H₂O, etc.) for a long period. The use of the above-mentioned preserving solution permits the preservation at a temperature as low as 0~10°C for 72~120 hr by simple surface cooling and preserving of the kidney. This method gives good results even in the case of additional hot ischemic disorder.

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File: DWPI

Mar 26, 1987

ERWENT-ACC-NO: 1987-125510

ERWENT-WEEK: 198718

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ITLE: Preserving organs for transplantation - in Collin's soln. contg. plasminogen activator e.g. rokinase

PATENT-ASSIGNEE:

ASSIGNEE

CODE

GREEN CROSS CORP

GREC

PRIORITY-DATA: 1985JP-0206079 (September 17, 1985)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 62067001 A	March 26, 1987		005	
<input type="checkbox"/> JP 94088881 B2	November 9, 1994		003	A01N001/02

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 62067001A	September 17, 1985	1985JP-0206079	
JP 94088881B2	September 17, 1985	1985JP-0206079	
JP 94088881B2		JP 62067001	Based on

PATENT-CL (IPC): A01N 1/02

ABSTRACTED-PUB-NO: JP 62067001A

BASIC-ABSTRACT:

Collin's modified soln. is used for the preservation of transplant organs. The basic compsn. of the soln. is 22-28 g/l glucose, 1.8-2.3 g/l KH₂PO₄, 7.0-11.2 g/l K₂HPO₄, 0.97-1.27 g/l KCl, 0.67-0.97 g/l NaHCO₃, and 0.6-7.5 g/l MgSO₄ . 7H₂O.

Examples of the plasminogen activator are urokinase and its precursors, tissue plasminogen activators and their precursors, etc. These plasminogen activators may be those which are derived from urea, or obtd. by cell-cultivation, or produced by genetic engineering. They should be highly purified for medical use. The loading amt. of plasminogen activators in the Collin's soln. is 1000-10000 IU/ml.

USE/ADVANTAGE - Method makes it possible to preserve transplant organs, partic. kidneys, at 0-10 deg.C for 72-120 hrs.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PRESERVE ORGAN TRANSPLANT SOLUTION CONTAIN PLASMINOGEN ACTIVATE UROKINASE

DERWENT-CLASS: B05 D16 D22

CPI-CODES: B04-B02C3; B05-A01A; B05-A01B; B05-B02A3; B10-A07; B12-H02; B12-M06; B12-M07; D09-A01;

HEMICAL-CODES:

hemical Indexing M1 *07*

Fragmentation Code

M423 M431 M782 M903 M904 M910 Q261 Q620 R023 V802
V814

Specific Compounds

01879M

Registry Numbers

87140

hemical Indexing M2 *01*

Fragmentation Code

H4 H405 H484 H8 J4 J471 K0 L8 L814 L821
L831 M280 M315 M321 M332 M344 M349 M381 M391 M416
M431 M620 M782 M903 M904 M910 Q261 Q620 R023

Specific Compounds

00038M

Registry Numbers

87140

Chemical Indexing M2 *02*

Fragmentation Code

A119 A940 B115 B701 B713 B720 B815 B831 C101 C108
C802 C804 C805 C807 M411 M431 M782 M903 M904 M910
Q261 Q620 R023

Specific Compounds

01772M

Registry Numbers

87140

Chemical Indexing M2 *03*

Fragmentation Code

A119 A940 B115 B701 B713 B720 B815 B831 C101 C108
C802 C804 C805 C807 M411 M431 M782 M903 M904 M910
Q261 Q620 R023

Specific Compounds

01753M

Registry Numbers

87140

Chemical Indexing M2 *04*

Fragmentation Code

A119 A940 C017 C100 C730 C801 C803 C804 C805 C806
C807 M411 M431 M782 M903 M904 M910 Q261 Q620 R023

Specific Compounds

01678M

Registry Numbers

87140

Chemical Indexing M2 *05*

Fragmentation Code

A111 A940 C101 C106 C108 C530 C730 C801 C802 C805
C807 M411 M431 M782 M903 M904 M910 Q261 Q620 R023

Specific Compounds

01151M

Registry Numbers

87140

Chemical Indexing M2 *06*

Fragmentation Code

A212 A940 C108 C316 C540 C730 C801 C802 C803 C804
C805 M411 M431 M782 M903 M904 M910 Q261 Q620 R023

Specific Compounds

01680M

Registry Numbers

87140

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0038U; 1151U ; 1678U ; 1680U ; 1753U ; 1772U ; 1879U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-052108